FILE NAME: Talc (TALC)

DATE: 1981

DOC#: TALC052

DOCUMENT DESCRIPTION: Threshold Limit Values Brochure

TLVs®

Threshold Limit Values

for

Chemical Substances

and

Physical Agents

in the

Workroom Environment

with

Intended Changes

for

1981



MINERAL DUSTS

Substance	
SILICA, SiO_2	
Crystalline	
Quartz	TLV in mppcf[a]: $\frac{300[a]}{\%\ \text{quartz} + 10}$ TLV for respirable dust in mg/m³: $\frac{10\ \text{mg/m}^3[a]}{\%\ \text{Respirable quartz} + 2}$ TLV for "total dust," respirable and nonrespirable: $\frac{30\ \text{mg/m}^3}{\%\ \text{quartz} + 3}$
Cristobalite	Use one-half the value calculated from the count or mass formulae for quartz.
Tridymite	Use one-half the value calculated from formulae for quartz.
Silica, fused	Use quartz formulae.
Tripoli	Use respirable[a] mass quartz formula
****Amorphous**	(20 mppcf[a])
SILICATES (< 1% quartz)	
Asbestos	
Amosite	0.5 fiber > 5μm/cc, A1a
Chrysotile	2 fibers > 5μm/cc, A1a
Crocidolite	0.2 fiber > 5μm/cc, A1a
Other forms	2 fibers > 5μm/cc, A1a
Mica	20 mppcf
Mineral wool fiber	10 mg/m³
Perlite	30 mppcf
Portland Cement	30 mppcf
Soapstone	20 mppcf
****Talc (nonasbestiform)**	(20 mppcf)
****Talc (fibrous), (use Asbestos limit.)**	

**See notice of intended changes

Substance	TWA ppm[a]	TWA mg/m³[b]	STEL ppm[a]	STEL mg
Vanadium, as V_2O_5, dust & fume	—	0.05	—	
Xylidine — Skin	2	10	—	

NOTICE OF INTENDED CHANGES
MINERAL DUSTS

Substance	TLV
Diatomaceous earth, natural	1.5 mg/m³, Respirable dust
Silica, amorphous	6 mg/m³, Total dust (all sampled sizes) 3 mg/m³, Respirable dust (< 5 μm)
Talc (containing no fibers)	15 mppcf or 2 mg/m³, Respirable Dust
Talc (fiber-containing)	2 fibers/cc, > 5 μm in length

APPENDIX A
Carcinogens

The Committee lists below those substances in i dustrial use that have proven carcinogenic in man, have induced cancer in animals under appropriate e perimental conditions. Present listing of those su stances carcinogenic for man takes two forms: Tho for which a TLV has been assigned (1a) and those f which environmental conditions have not been suf ciently defined to assign a TLV (1b).

A1a. *Human Carcinogens.* Substances, or substanc associated with industrial processes, reco nized to have carcinogenic or cocarcinogen potential, with an assigned TLV:

	TLV
Acrylonitrile	2 ppm
Asbestos	
Amosite	0.5 fiber > 5μm/cc
Chrysotile	2 fibers > 5μm/cc
Crocidolite	0.2 fiber > 5μm/cc
Other forms	2 fibers > 5μm/cc
bis (Chloromethyl) ether	0.001 ppm
Chromite ore	